

ABSTRACT OF THE DISCLOSURE

A coordinated brake control system of a hybrid brake system is arranged to determine a total braking torque command value according to a vehicle operating condition, to distribute the total braking-torque command value to regenerative braking-torque command value and the hydraulic braking-torque command value, to calculate a reference model response value relative to a wheel-cylinder hydraulic pressure command value, on the basis of a braking force reference model taking account of a delay of the actual hydraulic pressure in the hydraulic control system relative to the wheel-cylinder hydraulic pressure command value, and to correct the regenerative braking-torque command value according to a braking torque control error between the estimated braking torque actual value and the reference model response value. The corrected regenerative braking-torque command value is employed in the control of the regenerative brake apparatus.